

10/593539

IAP9/Rec'd PCT/PTO 19 SEP 2006

Attorney Docket No. 06550/LH

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**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Date of Deposit: September 19, 2006

Applicant(s): T. TESHIROGI et al

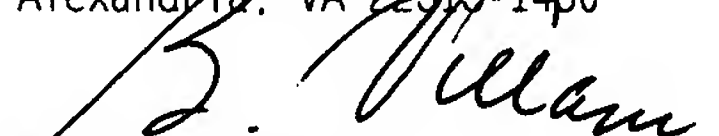
Serial No. : National Phase of  
PCT/JP2006/301346

Filed : Herewith

For : UWB SHORT-RANGE RADAR

Art Unit :  
Examiner :

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
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S I R :

Submitted herewith are copies of the publications (U.S. patent publications are not enclosed) identified on the attached Patent Office form PTO/SB/08A. Also enclosed is an International Search Report.

The FCC Second Report non-patent publication is identified on page 3 of the specification.

It is respectfully requested that the publications submitted herewith be considered and made of record and that a fully initialed form PTO/SB/08A be returned to the undersigned.

Respectfully submitted,

  
Leonard Holtz  
Reg. No. 22,974

Frishauf, Holtz, Goodman & Chick, P.C.  
220 Fifth Avenue - 16th Floor  
New York, New York 10001-7708  
Tel. No. (212) 319-4900  
Fax No. (212) 319-5101  
LH:bv

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Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		
				Filing Date		Herewith
				First Named Inventor		TESHIROGI
				Group Art Unit		
				Examiner Name		
Sheet	1	of	2	Attorney Docket Number		06550/LH

U.S. PATENT DOCUMENTS

Exam. Initials	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
		JP	2000-511281	A		08-29-2000		
		JP	2000-508501	A		07-04-2000		
		JP	2002-507728	A		03-12-2002		
		JP	2003-529050	A		09-30-2003		

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

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				Filing Date		Herewith
				First Named Inventor		TESHIROGI
				Group Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number		06550/LH
<b>OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>2</sup>
		I. GRESHAM et al; ULTRA-WIDEBAND RADAR SENSORS FOR SHORT-RANGE VEHICULAR APPLICATIONS; IEEE Transactions on Microwave Theory & Techniques; Vol. 52, No. 9, September 2004.				
		K. HAMAGUCHI et al; UWB PROBLEMS TO BE SOLVED FOR ULTRAWIDE-BAND SHORT-RANGE RADAR SYSTEMS; Yokosuke Radio Communications Research Center, 2004; pp. SS-17 - SS-18.				
		T. SAKANE; UWB APPLICATION FOR SYSTEMS USING MICROWAVE UWB; Special Edition; August 2004, Vol. 24, No. 8; pp 26-37.				
		FCC 04-285; SECOND REPORT AND ORDER AND SECOND MEMORANDUM OPINION AND ORDER; Dec. 16, 2004.				
		T. TESHIROGI et al; WIDEBAND CIRCULARLY POLARIZED ARRAY ANTENNA WITH SEQUENTIAL ROTATIONS AND PHASE SHIFT OF ELEMENTS; Proceedings of ISAP; 1985; pp. 117-120.				
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